

Patent [19]

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[54] AIR PURIFYING DEVICE

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[57] ABSTRACT

PROBLEM TO BE SOLVED: To provide an air purifying device is capable of cracking noxious gases, such as folmaldehyde, acetoaldehyde and ethylene, in air to a safe low concentration and is capable of executing efficient air purification.

SOLUTION: Back lights 1b of 6W formed by adhering titanium oxide films 1a to the inside surfaces of tubular bodies of transparent photocatalyst tubes 1 having a bore of 28 mm and specifying the spacings from these titanium films to 6.5 mm are disposed in the central parts of the tubular bodies. Nine pieces of these photocatalyst tubes 1 are arranged at 3×3 in proximity. The one- side ends of these tubular bodies are formed as air suction ports 1f and the portions of these air suction ports 1f are formed as air suction ports. A fan 1e is disposed in proximity to the other end openings of the tubular bodies.

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